

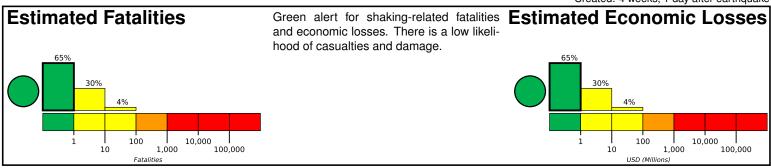


M 4.8, 6 km SE of Maria Antonia, Puerto Rico

Origin Time: 2020-12-24 16:56:39 UTC (Thu 12:56:39 local) Location: 17.9331° N 66.8451° W Depth: 10.0 km

PAGER Version 6

Created: 4 weeks, 1 day after earthquake



Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		45k*	2,733k	610k	34k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan 5000

Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and informal (metal, timber, GI etc.) construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1979-03-23	235	6.6	VI(605k)	0
1980-11-12	335	5.9	VII(87k)	_
1984-06-24	266	6.7	VII(326k)	5

67.8°W 66.5°W nta Cana Q **Selected City Exposure** 17.1°N 100

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

from GeoNames.org

MMI	City	Population
٧	Indios	2k
٧	Guayanilla	5k
٧	Guanica	9k
٧	Maria Antonia	1k
٧	Magas Arriba	1k
٧	Fuig	1k
Ш	Ponce	153k
Ш	San Juan	418k
II	Bayamon	203k
II	Caguas	87k
П	Carolina	170k

bold cities appear on map.

(k = x1000)